

IN THE SPECIFICATION:

Please amend the paragraph beginning at page 10, line 20 as follows:

~~Fig. 4 shows~~ Figs. 4A and 4B show experimental data investigated as to the relationship between Reynolds numbers and resistance coefficients of solid fine particles and liquidity boundary surface sphere.

Please amend the paragraph beginning at page 5, line 17 as follows:

First, water is circulated between the ultra-pure water manufacturing device and the water within the test portion is purified until the number of the particle counter is stabilized. After the number of the particle counter becomes almost constant, an ultrasonic wave is generated by the ultrasonic wave generating device and bubbles generated is measured by the particle counter. The measurement of the bubbles is carried out while monitoring the water temperature, a total organic carbon (TOC) amount of supplied water and the water after passing through the test portion, the number of ultra-fine particles, the number of bubbles and the output current of the ultrasonic wave generating device. In this case, the oxygen density γ within the water (that is, a ratio of the density of oxygen within the water with respect to saturation density thereof of one atm) is 2.0, and the ultrasonic wave has a ~~wavelength~~ frequency of 28 kHz and an output power of 100 W.